

What is claimed is:

1. A security communication apparatus for assuring the security of the communication sent from a communication terminal on a sending  
5 end to a communication terminal on a receiving end connected via network, which comprising:

storage means storing associating information that associates information of a user using the communication terminal on the sending end with a security type; and

10 security type selecting means selecting the security type from the associating information according to the information of user.

2. A security communication apparatus according to claim 1, wherein, when the associating information is changed, the security type  
15 selecting means confirms immediately that the communication is establishment based on the changed information.

3. A security communication apparatus according to either claim 1 or claim2, wherein the security type selected by the security type  
20 selecting means is a kind of security protocol.

4. A security communication apparatus according to claim 3, wherein the security protocol is IPSEC.

25 5. A security communication apparatus according to either claim 1 or 2, the security type selected by the security type selecting means is a group of definition information used for the security communication.

6. A security communication apparatus according to claim 5, wherein the group of definition information is a security policy.

5 7. A security communication apparatus according to claim 5, wherein the group of definition information includes at least either one of an authentication algorithm or an encryption algorithm.

8. A security communication system for assuring the security of  
10 the communication sent from a communication terminal on a sending end to a communication terminal on a receiving end connected via network, which comprising:

user authentication means authenticating a user using the communication terminal on the sending end;

15 storage means storing associating information that associates a user information with a security type; and

security type selecting means selecting the security type from the associating information according to the user information authenticated by the user authentication means .

20 9. A security communication system according to claim 8, wherein, when the associating information is changed, the security type selecting means confirms immediately that the communication is established based on the changed information.

10. A security communication method for assuring the security of the communication between communication terminals, those terminals connected each other via network, which comprising a step of:

5 selecting the security type according to the information of user using the communication terminal.

11. A security communication apparatus for assuring the security of the communication sent from a communication terminal on a sending end to a communication terminal on a receiving end connected via network, which comprising:

10 storage means storing associating information that associates Internet address information inputted into an application working in the communication terminal on the sending end with the security type; and,

15 security type selecting means selecting the security type from the associating information according to the Internet address information.

12. A security communication apparatus according to claim 11, wherein, the associating information further associates the information of user using the communication terminal on the sending end with the security type, and the security type is selected according to the user information, too

13. A security communication apparatus according to either claim 11 or 12, the security type is selected by visually associating the visualized Internet address information with the visualized list of security type.

14. A security communication apparatus according to claim 11,  
wherein the Internet address information is converted to an IP address  
by utilizing the domain name system server.

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15. A security communication apparatus according to either one of  
claim 11 to 14, wherein the security type is a security protocol.

16. A security communication apparatus according to claim 15,  
wherein the security protocol is IPSEC.

17. A security communication apparatus according to either one of  
claim 11 to 14, wherein the security type is a group of definition  
information used for the security communication.

18. A security communication apparatus according to claim 17,  
wherein the group of definition information is a security policy.

19. A security communication apparatus according to claim 17,  
wherein the group of definition information includes at least either one  
of an authentication algorithm or an encryption algorithm.

20. A security communication system for assuring the security of  
the communication sent from a communication terminal on a sending  
end to a communication terminal on a receiving end connected via  
network, which comprising:

storage means storing associating information that associates Internet address information inputted into an application working in the communication terminal on the sending end with a security type; and,

security type selecting means selecting the security type from the associating information according to the Internet address information.

21. A security communication system according to claim 20, which further comprising user authentication means authenticating a user who uses the communication terminal on the sending end,

and wherein:

the associating information further associates information of user using the communication terminal on the sending end with the security type; and

the security type is selected according to the user information, too.

22. A security communication system according to either claim 20 or 21, wherein the security type is selected by visually associating the visualized Internet address information with the visualized list of security type.

23. A security communication method for assuring the security of the communication between communication terminals, those terminals connected via network, which comprising a step of:

associating Internet address information inputted into an application working in the communication terminal with the security type;

selecting the security type according to the Internet address information.

24. A security information apparatus which comprising:

storage means storing associating information that associates terminal specifying information specifying a communication terminal with a recommendable security type to the communication with the communication terminal;

recommendable security type managing means selecting the recommendable security type from the associating information according to the terminal specifying information in response to an inquiry about the recommendable security type to the communication terminal from a communication terminal other than the communication terminal; and

sending and receiving means sending the selected recommendable security type.

25. A security information apparatus according to claim 24, which further comprising inquiry means, in case where the terminal specifying information cannot be found out in the associating information, inquires the communication terminal about the recommendable security type to the communication with the communication terminal.

26. A security information apparatus according to either claim 24 or 25, wherein the security type is a security protocol.

27. A security information apparatus according to claim 26,  
wherein the security protocol is IPSEC.

5 28. A security information apparatus according to either claim 24  
or 25, wherein the security type is a group of definition information used  
for the security communication.

29. A security information apparatus according to claim 28,  
10 wherein the group of definition information is a security policy.

30. A security information apparatus according to claim 28,  
wherein the group of definition information includes at least either one  
of an authentication algorithm or an encryption algorithm.

15 31. A security communication apparatus for assuring the security  
of the communication sent from a communication terminal on a sending  
end to a communication terminal on a receiving end connected via  
network, which comprising:

20 inquiry means inquiring a specific security information  
apparatus about the security type used for assuring the security;

security type selecting means selecting the security type  
according to a reply from the specific security information apparatus in  
response to the inquiry.

25 32. A security communication apparatus according to claim 31,  
wherein the reply includes one and more security type.

33. A security communication apparatus according to claim 31 or 32, wherein the security type is a security protocol.

5 34. A security communication apparatus according to claim 33, wherein the security protocol is IPSEC.

35. A security communication apparatus according to either claim 31 or 32, wherein the security type is a group of definition information used for the security communication.

36. A security communication apparatus according to claim 35, wherein the group of definition information is a security policy.

15 37. A security communication apparatus according to claim 35, wherein the group of definition information includes at least either one of an authentication algorithm or an encryption algorithm.

38. A security communication system provided with a security communication apparatus for assuring the security of the communication sent from a communication terminal on a sending end to a communication terminal on a receiving end connected via network,

20 wherein the security communication apparatus comprises inquiring means inquiring a specific security information apparatus about the security type used for assuring the security; and security type selecting means selecting the security type according to a reply from the specific security information apparatus in response to the inquiry; and

the specific security information apparatus comprises storage means storing associating information that associates a terminal specifying information specifying a communication terminal with a recommendable security type to the communication with the communication terminal; and recommendable security type managing means selecting the recommendable security type from the associating information according to the terminal specifying information in response to the inquiry about the recommendable security type to the communication terminal from a communication terminal other than the communication terminal; sending means sending the selected recommendable security type.

39. A security communication system according to claim 38, wherein the specific security information apparatus is provided with inquiry means, in case where the terminal specifying information cannot be found out in the association information, inquires the communication on the receiving end about the recommendable security type to the communication terminal.

40. A security communication method provided with a security communication apparatus for assuring the security of the communication between communication terminals connected via network, wherein,

the security communication apparatus inquires the specific security information apparatus about the recommendable security type to a communication apparatus other than the communication apparatus;

the specific security information apparatus selects the recommendable security type in response to the inquiry from the

communication apparatus, and then send it to the communication apparatus;

the security communication apparatus determines the security type according to the recommendable security type sent from the security

5 information apparatus.